Albert H. Kruse
Commissioner of Agriculture
State of Montana
Helena, Montana

COMMERCIAL FERTILIZER REPORT

W. B. Cook
Chemistry Department
Montana State College
Bozeman, Montana

Issued By
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State College, Bozeman, Montana

VOLUME V, PAGE 3, DECEMBER, 1957

Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	% Available Nitrogen (N) Claimed	% Available Nitrogen (N) Found	% Phosphoric Acid (P_2O_5) Available Claimed	% Phosphoric Acid (P_2O_5) Available Found	% Available Potash (K_2O) Claimed	% Available Potash (K_2O) Found
THE CHAS. H. LILLY COMPANY								
Seattle, Washington								
Lilly's Organic Morcrop	Kalispell	806	5.0	5.5	3.0	3.0	2.0	2.6
Lilly's Rose Fertilizer	Missoula	‡	4.0	**3.0**	8.0	**6.0**	8.0	10.0
Lilly's Rhododendron Fertilizer	Missoula	‡	4.0	4.6	12.0	13.7	8.0	9.7
MIDLAND FERTILIZER, INCORPORATED								
Billings, Montana								
Multi-Mix 8-8-8	Billings	‡	8.0	9.1	8.0	9.6	8.0	**6.3**
Multi-Mix 6-12-6	Billings	‡	6.0	6.3	12.0	12.7	6.0	6.3
Multi-Mix 28-0-0	Billings	‡	28.0	28.9	0.0	0.0	0.0	0.0
Multi-Mix 16-8-0	Billings	‡	16.0	17.9	8.0	9.0	0.0	0.0
MILLER PRODUCTS COMPANY								
Portland, Oregon								
Miller Garden Booster Powder	Missoula	‡	5.0	5.4	10.0	13.8	14.0	15.0
MINNESOTA FARM BUREAU SERVICE CO.								
St. Paul, Minnesota								
Farm Bureau Flo-Glo Fertilizer 0-62-0	Baker	‡	0.0	0.0	62.0	**61.6**	0.0	0.0
MONSANTO CHEMICALS COMPANY								
St. Louis 4, Missouri								
Monsanto Folium	Kalispell	‡	20.0	20.4	20.0	**18.7**	20.0	22.2
NITROGEN DIVISION, ALLIED CHEMICAL & DYE CORP.								
Omaha, Nebraska								
Arcadian Urea 45, Fertilizer Compound	Kalispell	723	45.0	45.9	0.0	0.0	0.0	0.0
Arcadian Urea 45, Fertilizer Compound	Missoula	723	45.0	45.2	0.0	0.0	0.0	0.0
NORTHRUP, KING & COMPANY								
Minneapolis, Minnesota								
Lawnfood 10-6-4	Billings	785	10.0	11.7	6.0	6.6	4.0	**3.8**
NORTHWEST NITRO-CHEMICALS, LTD.								
Medicine Hat, Alberta, Canada								
Northwest 16-20-0	Great Falls	776	16.0	17.5	20.0	21.4	0.0	0.0
Northwest 33.5-0-0	Baker	777	33.5	33.5	0.0	0.0	0.0	0.0
Northwest 11-48-0	Baker	779	11.0	11.1	48.0	50.8	0.0	0.0
Northwest 11-48-0	Billings	779	11.0	11.5	48.0	49.8	0.0	0.0
Northwest 11-48-0	Great Falls	779	11.0	11.1	48.0	48.5	0.0	0.0
NUTRITIONAL CONCENTRATES								
New Lexington, Ohio								
Fertileze	Great Falls	‡	20.0	22.3	10.0	11.7	20.0	**18.9**
PHILLIPS CHEMICAL COMPANY								
Bartlesville, Oklahoma								
Phillips "66" Ammonium Nitrate	Billings	763	33.5	33.5	0.0	0.0	0.0	0.0
Phillips "66" Ammonium Nitrate	Great Falls	763	33.5	33.7	0.0	0.0	0.0	0.0
Phillips "66" Ammonium Sulfate	Billings	764	21.0	21.0	0.0	0.0	0.0	0.0
Phillips "66" Ammonium Sulfate	Great Falls	764	21.0	21.0	0.0	0.0	0.0	0.0
PLANT MARVEL LABORATORIES								
Chicago 29, Illinois								
Plant Marvel Plant Food	Great Falls	‡	12.0	12.2	31.0	32.4	14.0	14.5
PLATTE VALLEY FERTILIZER CO.								
Scottsbluff, Nebraska								
PV 0-0-60	Billings	794	0.0	0.0	0.0	0.0	60.0	**59.5**
PV 0-0-60	Glendive	794	0.0	0.0	0.0	0.0	60.0	60.0
PV 14-14-7	Billings	797	14.0	20.4	14.0	19.1	7.0	9.3
PV 14-28-0	Baker	‡	14.0	14.1	28.0	30.8	0.0	0.0
PV 10-20-0	Hardin	‡	10.0	11.0	20.0	23.0	0.0	0.0
PROEN PRODUCTS COMPANY								
Berkeley 10, California								
Waterfeed 15-5-5	Billings	752	15.0	15.6	5.0	6.6	5.0	5.1

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Name and Address of Manufacturer with Brand Name	Place of Collection	Registration No.	% Available Nitrogen (N)		% Phosphoric Acid (P_2O_5) Total Available		% Available Potash (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
RA-PID-GRO CORPORATION								
Dansville, New York								
Ra-Pid-Gro	Great Falls	729	23.0	24.2	21.0	21.4	17.0	17.0
THE ROSE MANUFACTURING COMPANY								
Beacon, New York								
Tri-O-Gen Rose Food	Billings	‡	5.0	5.0	10.0	11.4	5.0	5.9
Tri-O-Gen Leaf & Root Plant Food	Billings	‡	15.0	15.8	30.0	32.3	15.0	**22.2**
O. M. SCOTT & SONS								
Marysville, Ohio								
Scott's Organic Plant Food	Great Falls	698	5.0	7.1	2.0	**1.3**	3.0	**2.5**
Scott's Turf Builder Lawn Food	Billings	699	9.0	8.9	7.0	9.1	4.0	4.4
Scott's Weed & Feed	Billings	700	7.0	8.0	11.0	12.9	5.0	5.3
SELSTAD SOIL SERVICE								
Great Falls, Montana								
Super NPK	Great Falls	‡	15.0	15.3	10.0	10.0	0.0	0.0
THE SEWAGE COMMISSION								
Milwaukee, Wisconsin								
Milorganite	Billings	Not Required	5.5	5.5	4.0	2.9	0.0	0.0
J. R. SIMPLOT COMPANY, FERTILIZER DIVISION								
Pocatello, Idaho								
Simplot Triple Super Phosphate	Miles City	803	0.0	0.0	45.0	48.5	0.0	0.0
Simplot Triple Super Phosphate	Billings	803	0.0	0.0	45.0	47.1	0.0	0.0
Simplot 45% Triple Phosphate	Baker	803	0.0	0.0	45.0	48.1	0.0	0.0
Simplot Liquid Phosphoric Acid	Great Falls	803	0.0	0.0	52.0	53.4	0.0	0.0
SPENCER CHEMICAL COMPANY								
Kansas City, Missouri								
"Mr. N" Ammonium Nitrate Fertilizer	Billings	704	33.5	33.5	0.0	0.0	0.0	0.0
SWIFT & COMPANY, PLANT FOOD DIVISION								
Chicago, Illinois								
Water Soluble Instant Vigoro	Billings	693	19.0	19.7	28.0	28.4	14.0	15.2
Golden Vigoro	Miles City	694	6.0	6.2	10.0	11.6	4.0	4.0
Vigoro	Great Falls	696	6.0	**5.7**	10.0	10.4	4.0	4.3
SWIFT & COMPANY, PLANT FOOD DIV.								
North Portland, Oregon								
Golden Vigoro	Kalispell	694	6.0	6.2	10.0	11.1	4.0	4.3
UNITED STATES GYPSUM COMPANY								
Chicago, Illinois								
Ben Franklin Agricultural Gypsum	Kalispell	775	{ CLAIM: $CaSO_4 \cdot 2H_2O$—80.0% FOUND: $CaSO_4 \cdot 2H_2O$—80.0%					
Ben Franklin Agricultural Gypsum Borated	Kalispell	‡	{ CLAIM: $CaSO_4 \cdot 2H_2O$—75.0% FOUND: $CaSO_4 \cdot 2H_2O$—75.0%					
VAN CAMP LABORATORIES								
Terminal Island, California								
Sea Pep	Billings	‡	10.0	10.2	5.0	5.7	5.0	7.3
WASATCH CHEMICAL COMPANY								
Salt Lake City, Utah								
Wasco Brand Morgro	Billings	771	6.0	6.1	10.0	11.4	4.0	**3.8**
Wasco Brand Morgro	Great Falls	771	6.0	**4.3**	10.0	13.5	4.0	**1.3**
WESTERN PHOSPHATES, INCORPORATED								
Garfield, Utah								
Anchor Brand Treble Super Phosphate	Billings	746	0.0	0.0	46.0	49.0	0.0	0.0
Anchor Brand Treble Super Phosphate	Great Falls	746	0.0	0.0	45.0	49.3	0.0	0.0
Anchor Brand 11-48-0	Great Falls	747	11.0	11.2	48.0	49.6	0.0	0.0
Anchor Brand 11-48-0	Church Hill	747	11.0	11.4	48.0	50.3	0.0	0.0
Anchor Brand 16-20-0	Kalispell	749	16.0	16.6	20.0	22.8	0.0	0.0
WYOMING GULF SULFUR CORPORATION								
Cody, Wyoming								
Wyoming Natural Soilaid	Missoula	‡	{ CLAIM: 25% total sulphur, free and combined FOUND: 25.4% total sulphur, free and combined					

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CONSOLIDATED MINING & SMELTING CO. OF CANADA, LTD. Trail, British Columbia								
Elephant Brand Triple Superphosphate	Hardin	708	0.0	0.0	45.0	47.7	0.0	0.0
Elephant Brand Ammonium Sulphate 21-0-0	Billings	709	21.0	21.1	0.0	0.0	0.0	0.0
Elephant Brand Ammonium Sulphate 21-0-0	Kalispell	709	21.0	21.0	0.0	0.0	0.0	0.0
Elephant Brand Ammonium Sulphate 21-0-0	Townsend	709	21.0	21.1	0.0	0.0	0.0	0.0
Elephant Brand "Nitra Prills"	Kalispell	710	33.5	**32.9**	0.0	0.0	0.0	0.0
Elephant Brand "Nitra Prills"	Billings	710	33.5	33.5	0.0	0.0	0.0	0.0
Elephant Brand "Nitra Prills"	Kalispell	710	33.5	33.5	0.0	0.0	0.0	0.0
Elephant Brand "Nitra Prills"	Miles City	710	33.5	33.8	0.0	0.0	0.0	0.0
Elephant Brand "Nitra Prills"	Missoula	710	33.5	33.5	0.0	0.0	0.0	0.0
Elephant Brand 16-20-0	Billings	711	16.0	16.1	20.0	22.2	0.0	0.0
Elephant Brand 16-20-0	Kalispell	711	16.0	16.5	20.0	20.6	0.0	0.0
Elephant Brand 16-20-0	Missoula	711	16.0	16.0	20.0	22.3	0.0	0.0
Elephant Brand 16-20-0	Ronan	711	16.0	20.6	20.0	21.0	0.0	0.0
Elephant Brand 11-48-0	Baker	712	11.0	11.1	48.0	51.4	0.0	0.0
Elephant Brand 11-48-0	Billings	712	11.0	11.7	48.0	50.8	0.0	0.0
Elephant Brand 11-48-0	Kalispell	712	11.0	11.5	48.0	51.8	0.0	0.0
Elephant Brand 11-48-0	Kalispell	712	11.0	11.1	48.0	49.5	0.0	0.0
Elephant Brand 11-48-0	Miles City	712	11.0	11.2	48.0	49.7	0.0	0.0
Elephant Brand 11-48-0	Missoula	712	11.0	11.0	48.0	50.2	0.0	0.0
Elephant Brand 27-14-0	Billings	714	27.0	27.5	14.0	17.7	0.0	0.0
Elephant Brand 24-20-0	Missoula	715	24.0	25.2	20.0	22.2	0.0	0.0
E. I. DUPONT DE NEMOURS & COMPANY, INC. Wilmington, Delaware								
DuPont Nugreen	Great Falls	726	45.0	45.2	0.0	0.0	0.0	0.0
DuPont Uramite	Great Falls	727	38.0	38.2	0.0	0.0	0.0	0.0
FARMERS UNION CENTRAL EXCHANGE, INC. St. Paul, Minnesota								
Co-op Treble Super Phosphate	Baker	685	0.0	0.0	42.0	44.1	0.0	0.0
FARMERS UNION GRAIN & SUPPLY COMPANY Williston, North Dakota								
GTA Treble Super Phosphate	Miles City	680	0.0	0.0	42.0	47.7	0.0	0.0
GTA Treble Super Phosphate	Great Falls	680	0.0	0.0	42.0	44.8	0.0	0.0
FERTIL-POINT COMPANY Seattle 1, Washington								
Fertil-Points	Missoula	707	13.0	**12.6**	20.0	22.6	15.0	18.5
THE FOLSOM COMPANY Missoula, Montana								
Folsom 32% Liquid Phosphoric Acid	Missoula	‡	0.0	0.0	32.0	32.3	0.0	0.0
Folsom Liquid 15-10-5	Missoula	‡	15.0	16.1	10.0	11.2	5.0	5.1
GARDEN PRODUCTS COMPANY St. Louis, Missouri								
Wonder Green Concentrated Liquid Fertilizer	Great Falls	‡	6.0	6.5	12.0	12.5	6.0	7.0
GARDEN RESEARCH LABORATORIES New York, New York								
RX-15	Billings	‡	15.0	17.4	30.0	34.7	15.0	19.6
GOULARD & OLENA, INCORPORATED Skillman, New Jersey								
G & O Evergreen Tree and Shrub Food	Great Falls	‡	9.0	9.1	7.0	9.4	4.0	3.0
G & O Special Rose Food	Great Falls	‡	7.0	**6.8**	8.0	10.1	5.0	5.2
G & O Special Food-for-Bulbs	Great Falls	‡	5.0	5.3	6.0	7.4	15.0	17.0
HELLER GREENHOUSE LABORATORIES Colorado Springs, Colorado								
Heller-Gro	Great Falls	808	15.0	16.3	15.0	15.3	15.0	17.6
HYDROPONIC CHEMICAL COMPANY, INC. Copley, Ohio								
Hyponex	Billings	730	7.0	7.3	6.0	8.3	19.0	20.6

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ALUMIT CORPORATION OF UTAH								
Salt Lake City, Utah								
Vitalizer 3-8-0	Billings	Not Required	3.0	3.4	8.0	11.6	0.0	0.0
AMERICAN CHEMICAL PAINT COMPANY								
Ambler, Pennsylvania								
ACP Gro-Stuff 20-20-20	Missoula	‡	20.0	20.0	20.0	22.6	20.0	21.4
AMERICAN CYANAMID COMPANY								
New York, New York								
Aero Cyanamid Special Grade	Kalispell	724	21.0	21.0	0.0	0.0	0.0	0.0
Lawn and Garden Cyanamid	Great Falls	805	21.0	21.0	0.0	0.0	0.0	0.0
AMERICAN POTASH & CHEMICAL CORPORATION								
Trona, California								
Trona Muriate of Potash, Agricultural Grade	Billings	‡	0.0	0.0	0.0	0.0	60.0	60.0
THE ANACONDA COMPANY								
Anaconda, Montana								
Anaconda Complete Fertilizer	Billings	682	10.0	12.0	18.0	19.0	5.0	**4.8**
Anaconda Complete Fertilizer	Kalispell	682	10.0	**8.6**	18.0	23.3	5.0	6.6
Anaconda Complete Fertilizer	Townsend	682	10.0	10.8	18.0	18.8	5.0	**4.6**
Anaconda 6-30-0 †	Great Falls	683	6.0	11.7	30.0	**19.9**	0.0	0.0
Anaconda Ammoniated Phosphate 6-30-0	Forsythe	683	6.0	6.0	30.0	34.2	0.0	0.0
Anaconda Ammoniated Phosphate 6-30-0	Miles City	683	6.0	6.0	30.0	33.7	0.0	0.0
Anaconda 0-42-0 Treble Super Phosphate	Billings	684	0.0	0.0	42.0	43.8	0.0	0.0
Anaconda Treble Super Phosphate	Ronan	684	0.0	0.0	42.0	45.1	0.0	0.0
Anaconda Treble Super Phosphate	Kalispell	684	0.0	0.0	42.0	46.2	0.0	0.0
Anaconda Treble Super Phosphate	Glendive	684	0.0	0.0	42.0	44.7	0.0	0.0
Anaconda Treble Super Phosphate	Glendive	684	0.0	0.0	42.0	46.9	0.0	0.0
Anaconda Treble Super Phosphate	Miles City	684	0.0	0.0	42.0	44.5	0.0	0.0
Anaconda 10-20-0	Glendive	687	10.0	**8.4**	20.0	24.4	0.0	0.0
Anaconda 10-20-0	Glendive	687	10.0	**8.8**	20.0	26.9	0.0	0.0
Anaconda 10-20-0	Forsythe	687	10.0	**9.8**	20.0	25.5	0.0	0.0
Anaconda Liquid Phosphoric Acid	Billings	688	0.0	0.0	52.0	52.6	0.0	0.0
Anaconda Potash	Forsythe	689	0.0	0.0	0.0	0.0	60.0	60.0
Anaconda Potash	Miles City	689	0.0	0.0	0.0	0.0	60.0	60.4
Anaconda Ammoniated Phosphate 16-8-0	Townsend	690	16.0	16.7	8.0	8.2	0.0	0.0
Plantone	Billings	686	6.0	6.0	12.0	13.4	4.0	4.5
ARMOUR AND COMPANY								
Chicago, Illinois								
Vertagreen	Bozeman	801	5.0	**4.8**	10.0	12.7	5.0	5.1
Vertagreen	White Sulphur Springs	801	5.0	**4.5**	10.0	14.8	5.0	8.3
CALIFORNIA SPRAY-CHEMICAL CORPORATION								
Richmond, California								
Ortho Lawn Groom	Billings	740	7.0	7.5	5.0	6.5	5.0	5.3
Improved Ortho-Gro Liquid Plant Food	Billings	739	10.0	10.1	5.0	5.7	5.0	6.3
Ortho 14-14-14 Pelleted Fertilizer	Church Hill	781	14.0	14.0	14.0	14.4	14.0	14.0
Ortho 20-20-0 Pelleted Fertilizer	Church Hill	782	20.0	20.1	20.0	21.4	0.0	0.0
Ortho 20-10-0 Pelleted Fertilizer	Church Hill	804	20.0	20.6	10.0	11.3	0.0	0.0
Ortho-Gro Dry Fertilizer	Missoula	742	7.0	7.3	9.0	10.8	5.0	6.0
COMBINED MINERALS INCORPORATED								
Denver 23, Colorado								
CPF Complete Plant Food all Mineral Fertilizer	Billings	780	5.0	5.2	10.0	10.6	5.0	**8.6**
CPF Formula No. 5	White Sulphur Springs	788	6.0	5.5	12.0	12.1	6.0	**4.3**
CPF Formula No. 7	White Sulphur Springs	789	6.0	**4.6**	11.0	11.2	5.0	5.1
CPF Formula No. 6	White Sulphur Springs	790	4.0	4.3	8.0	11.9	8.0	**4.8**
CPF Formula No. 12	White Sulphur Springs	791	2.0	3.2	10.0	9.7	8.0	**4.6**
CPF Formula No. 14	White Sulphur Springs	792	4.0	5.6	12.0	15.9	4.0	8.8
CPF Formula No. 11	White Sulphur Springs	‡	6.0	6.1	12.0	13.5	6.0	10.1

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